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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 10/660,141 | 09/11/2003 | Sebastien Perrot | PF030065 | 4968 |

24498 7590 12/15/2005

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| EXAMINER | |
|---|---|
| ADDY, ANTHONY S | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2681 | |

DATE MAILED: 12/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| Office Action Summary | Application No. | Applicant(s) | |
|---|---|---|---|
| | 10/660,141 | PERROT ET AL. | |
| | Examiner | Art Unit | |
| | Anthony S. Addy | 2681 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *19 September 2005*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-9* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-9* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *11 September 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

## DETAILED ACTION

1. This action is in response to applicant's amendment filed on September 19, 2005. **Claims** 1-9 are pending in the present application.

### *Response to Arguments*

2. Applicant's arguments with respect to claims 1-9 have been considered but are moot in view of the new ground(s) of rejection.

### *Claim Rejections - 35 USC § 102*

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by **Vij et al., U.S. Patent Number 6,452,910 (hereinafter Vij)**.

Regarding claim 1, Vij discloses a device for connecting a wireless network to at least one other network comprising a bridge module for managing a plurality of ports for connecting to respective networks (see col. 1, lines 48-65, col. 3, lines 24-35 and Figs. 4 & 6; shows a wireless bridge); characterized in that said device comprises a link management module for managing associations, with an access point of a centralized wireless network, and devices of networks connected to the bridge device other than the wireless network (see col. 1, lines 48-65, col. 3, lines 24-35, col. 5, line 48 through col. 6, line 35 and Fig. 4; shows a wireless bridge including a link management protocol (LMP) [i.e. the LMP reads on ***a link management module*** for managing associations,

with an access point of a centralized wireless network, and devices of networks connected to the bridge device, since the LMP manages communications between the different networks the wireless bridge is connected to]); wherein the bridge is adapted to be a station of the wireless network (see col. 2, lines 25-38, col. 6, lines 12-35 and Fig. 6; shows a wireless bridge stationed on a wireless LAN).

***Claim Rejections - 35 USC § 103***

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

6. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Vij et al., U.S. Patent Number 6,452,910 (hereinafter Vij)** as applied to claim 1 above, and further in view of **Shibasaki, U.S. Publication Number 2002/0181412 A1 (hereinafter Shibasaki)**.

Regarding claim 2, Vij teaches all the limitations of claim 1. Vij fails to explicitly means for determining a spanning tree for all networks attached to the device, comprising means for enabling or disabling the determination of the spanning tree.

Shibasaki, however, teaches a bridging device comprising means for determining a spanning tree for all networks attached to the device; and further comprising means for enabling or disabling the determination of the spanning tree (see paragraph 0015, lines 1-11, paragraph 0029, lines 1-12 and Fig. 1).

It would therefore have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings for determining a spanning tree for the

networks attached by a bridging device of Shibasaki to the wireless bridge device of Vij to include means for determining a spanning tree for all networks attached to the device, comprising means for enabling or disabling the determination of the spanning tree, in order to minimize service interruption time after occurrence of a fault in a network or in a component of the network by enabling faster recovery from the fault and by limiting tree reconstruction to a smallest possible area as per the teachings of Shibasaki (see paragraph 0011, lines 3-7).

7. Claim 3-6 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Vij et al., U.S. Patent Number 6,452,910 (hereinafter Vij)** as applied to claim 1 above, and further in view of **Baker et al., U.S. Patent Number 5,570,366 (hereinafter Baker)**.

Regarding claim 3, Vij teaches all the limitations of claim 1. Vij fails to explicitly teach for means for updating filtering tables for respective connected networks, said filtering tables comprising information for determining whether a message on a network is to be forwarded to another network or not, said updating using a process by default, comprising means for enabling or disabling the default process.

Baker, however, teaches a bridge-based access point comprising means for updating filtering tables for respective connected networks (see col. 4, line 52 through col. 5, line 32, col. 6, lines 35-44 and Figures 1, 2 and 8), said filtering tables comprising information for determining whether a message on a network is to be forwarded to another network or not, said updating using a process by default (see col. 4, line 52

through col. 5, line 32 and col. 6, lines 35-44), comprising means for enabling or disabling the default process (see col. 5, lines 19-26 and Figures 1, 2 and 8).

It would therefore have been obvious to one of ordinary skill in the art at the time of the invention to modify Vij with Baker to include means for updating filtering tables for respective connected networks, said filtering tables comprising information for determining whether a message on a network is to be forwarded to another network or not, said updating using a process by default, comprising means for enabling or disabling the default process, in order to efficiently transfer filtering information concerning a mobile terminal from one access point to another when the mobile terminal moves from the network of the one access point to the network of the another access point as per the teachings of Baker (see col. 2, lines 44-49).

Regarding claim 4, Vij in view of Baker teaches all the limitations of claim 3. Baker further teaches a device, wherein said default process is based on analysis of source address in messages detected on a respective network, comprising means for enabling or disabling message detection based updating (see col. 4, line 52 through col. 5, line 32 and col. 6, lines 35-44 and Figures 5-6 and 8).

Regarding claim 5, Vij in view of Baker teaches all the limitations of claim 3. Baker further teaches a device, further comprising means for updating a filtering table for a given network based on a device discovery process specific to said given network (see col. 4, line 52 through col. 5, line 32 and col. 6, lines 35-44 and Figures 2 and 8).

Regarding claim 6, Vij in view of Baker teaches all the limitations of claim 3. Baker further teaches a device, wherein said default process is enabled for an Ethernet network (see col. 3, lines 57-61 and col. 5, lines 19-32).

Regarding claim 7, Vij in view of Baker teaches all the limitations of claim 3. Baker further teaches a device, wherein said default process is disabled for a USB network (see col. 3, lines 57-61 and col. 5, lines 19-32 [i.e. the limitation "said default process is disabled for a USB network" is met by Baker, since Baker teaches the enabling and disabling of a wired network which broadly reads on a USB network]).

Regarding claim 8, Vij in view of Baker teaches all the limitations of claim 1. Baker further teaches a device, further comprising means for generating a message to said link management module upon a filtering table amendment, said means for generating a message having an enabled state and a disabled state for each network (see col. 4, line 52 through col. 5, line 32 and col. 6, lines 35-44 and Figures 2 and 8).

Regarding claim 9, Vij in view of Baker teaches all the limitations of claim 8. Baker further teaches a device, wherein said means for generating a message are enabled for an Ethernet network (see col. 3, lines 57-61 and col. 5, lines 19-32).

***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Shizume, U.S. Publication Number 2002/0181478 A1 discloses bridge apparatus with entries reduced in filtering database and network using the same.

Wallace, U.S. Patent Number 6,822,946 discloses wireless bridge for a broadband network.

LeMaire et al., U.S. Patent Number 6,169,741 discloses method and apparatus for transparent intermediate system based filtering on a LAN multicast packets.

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

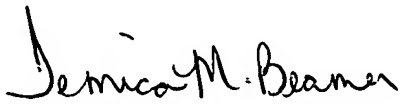
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony S. Addy whose telephone number is 571-272-7795. The examiner can normally be reached on Mon-Thur 8:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anthony S. Addy
November 29, 2005



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